# Smart ME 800

**Stainless steel indirect cylinder with additional coil for use with multi-energy sources to produce domestic hot water.**


- Ideal for use with renewable energy such as heat pumps, solar, heat recovery and in district heating schemes due to large primary store
- Reduces legionella risk due to temperature: hot water stored at > 60°C
- Low maintenance with no anode protection required
- The carbon steel coil enables this product to be used in a variety of installations including system separation for a heating circuit
- Long life – 25-year guarantee* on the corrosion resistant stainless steel cylinder
- Low standing losses – cylinder comes with 100mm Polyurethane mattress
- Can provide dual temperature outputs for different circuits such as underfloor heating (low temperature) and DHW (high temperature)
- Cost effective solution, simple installation with no de-stratification kit needed and no flue requirements

## Tank-in-tank technology

- **Fast** heat up
- **Rapid** recovery
- **Reduced** footprint
- **Reduced** scale
- **Low** storage required
- **Minimal** heat loss

kiwa approved
UK WATER REGULATION 4

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*Terms & conditions available at www.acv.com/gb/customer/warranties.

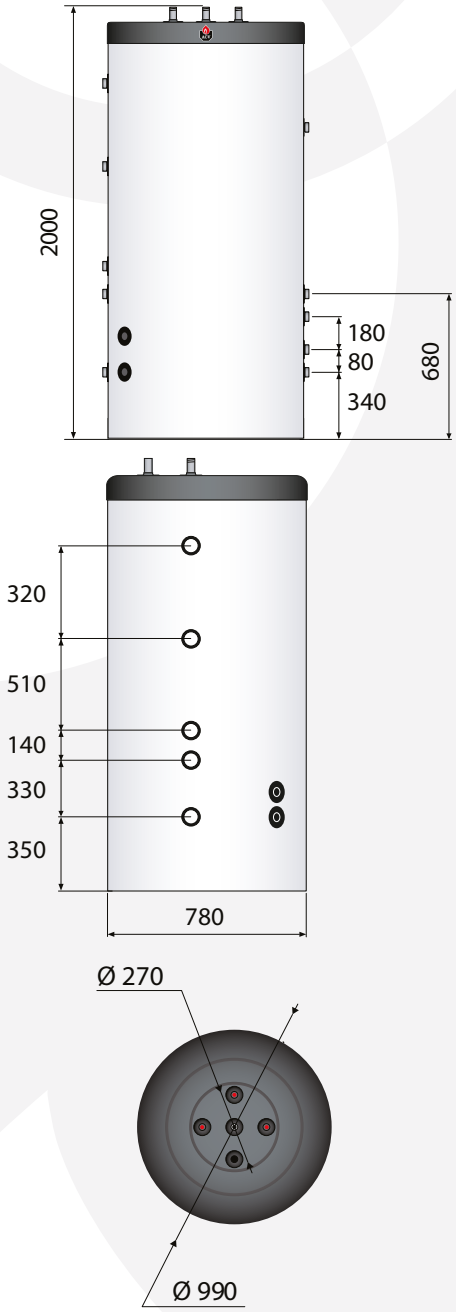
# Technical data and dimensions

| TYPE | UNIT | SLME 800 |
|---|---|---|
| Part number | | 06625301 |
| Capacity (domestic hot water) | L | 263 |
| Capacity (total) | L | 800 |
| Max operating pressure (coil) | bar | 10 |
| Max operating temperature (DHW) | °C | 80 |
| Max operating pressure heating (primary) | bar | 4 |
| Max operating pressure (DHW) | bar | 8.6 |
| Connection - DHW | Ø" | 1 ½ M |
| Connection - primary | Ø" | 1 F |
| Connection - re-circulation / safety valve | Ø" | 1 ½ M |
| Corresponding flow in coil | L/h | 3000 |
| Max absorbed heat (Heat source: coil) | kW | 35 |
| Weight (empty) | kg | 220 |
| Primary heater pressure drop (EN12897:2016) | mbar | 58.5 |
| Standing losses | W | 134 |
| Standing losses | kWh/day | 3.216 |

## Domestic hot water performance

| TYPE | UNIT | SLME 800 |
|---|---|---|
| Peak flow at 40°C | L/10' | 922 |
| Peak flow 1st hour at 40°C | L/60' | 2666 |
| Continuous flow at 40°C | L/h | 2093 |
| Peak flow at 45°C | L/10' | 790 |
| Peak flow 1st hour at 45°C | L/60' | 2285 |
| Continuous flow at 45°C | L/h | 1794 |
| Peak flow at 60°C | L/10' | 504 |
| Peak flow 1st hour at 60°C | L/60' | 1368 |
| Continuous flow at 60°C | L/h | 1037 |
| Heating surface area | $m^2$ | 3 |
| Max absorbed heat (Heat source: boiler) | kW | 73 |
| Reheat time (EN 12897) | min | 10 |

This data assumes an incoming mains water temperature of 10°C.
*In line with the recommendations specified in UK Building Regulations (2016) Part G, ACV UK Ltd advise the installation of a suitable domestic hot water thermostatic mixing valve on the hot flow immediately after the appliance.




**All dimensions in mm.**

Every effort has been taken to ensure the details are accurate. ACV UK Limited does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. ACV UK Limited reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.